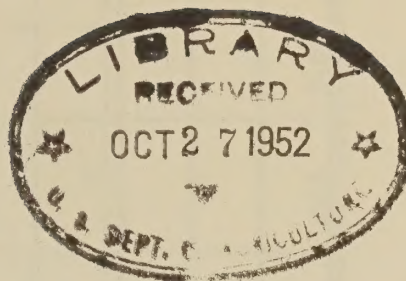
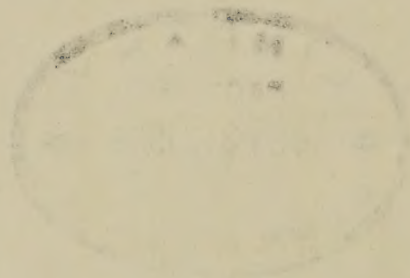


703
POWER REQUIREMENT STUDY
SEMINOLE ELECTRIC COOPERATIVE
(FLORIDA 41 ALACHUA GT)



2
H.S.
Prepared by
Program Analyst
Office of the Administrator
RURAL ELECTRIFICATION ADMINISTRATION.
June 1952

3.
THESE ARE THE
REMARKS OF THE
JURY



THESE ARE THE
REMARKS OF THE
JURY

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TABLE I

ESTIMATE OF LOADS - FLORIDA 15 LAFAYETTE

FLORIDA 41 ALACHUA GT	TYPE OF CONSUMER	NUMBER OF CONSUMERS			ANNUAL KWH REQUIREMENTS		
		1954	1957	1962	1954	1957	1962
	FARM	3,039	3,278	3,763	@2040 6,199,560	@2640 8,653,920	@3600 13,546,800
	NONFARM (RES.)	264	307	414	@4500 1,188,000	@5400 1,657,800	@6000 2,484,000
	SMALL COMMERCIAL	185	198	221	@2640 488,400	@2940 582,120	@3720 822,120
	IRRIGATION (10 HP)	53	112	189	@2000 106,000	@3000 336,000	@3000 567,000
	LARGE POWER: ROCK MINE (R. E. MILLS CO.)	1	1	1	500,000	500,000	500,000
	SAW MILL (50 HP)	1	1	1	85,000	90,000	90,000
	SUB-TOTAL				8,566,960	11,819,840	18,009,920
	PLUS DIST. LOSSES (APPROX.)				@18% 1,881,040	@18% 2,594,160	@17% 3,689,080
	TOTAL	3,543	3,897	4,589	10,448,000	14,414,000	21,699,000

PROGRAM ANALYST, OFFICE OF THE
ADMINISTRATOR, REA - JUNE 1952

STANDARD OF MEASUREMENT - 1900 TO 1910

1900
1910

STANDARD OF MEASUREMENT	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990	2000	2010	2020
1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
1910	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910	1910
1920	1920	1920	1920	1920	1920	1920	1920	1920	1920	1920	1920	1920	1920
1930	1930	1930	1930	1930	1930	1930	1930	1930	1930	1930	1930	1930	1930
1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940
1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950
1960	1960	1960	1960	1960	1960	1960	1960	1960	1960	1960	1960	1960	1960
1970	1970	1970	1970	1970	1970	1970	1970	1970	1970	1970	1970	1970	1970
1980	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980
1990	1990	1990	1990	1990	1990	1990	1990	1990	1990	1990	1990	1990	1990
2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010	2010
2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020

STANDARD OF MEASUREMENT - 1900 TO 1910

TABLE II

ESTIMATE OF LOADS - FLORIDA 16 SUMMER

FLORIDA 48 ALACHUA GT	TYPE OF CONSUMER	NUMBER OF CONSUMERS			ANNUAL KWH REQUIREMENTS		
		1954	1957	1962	1954	1957	1962
	FARM	3,883	4,396	5,265	@2280 8,853,240	@2820 12,396,720	@3780 19,901,700
	NONFARM (RES.)	1,223	1,530	2,080	@1800 2,201,400	@2160 3,304,800	@2880 5,990,400
	SMALL COMMERCIAL	368	408	487	@4440 1,633,920	@5160 2,105,280	@6120 2,980,440
	PUBLIC BUILDINGS	102	119	135	@420 42,840	@480 57,120	@600 81,000
	IRRIGATION (10 HP)	25	25	25	@4000 100,000	@4000 100,000	@4000 100,000
	IRRIGATION (10 HP) *	10	25	40	@4000 40,000	@4000 100,000	@4000 160,000
	SAWMILL (50 HP) *	1	2	2	@30,000 30,000	@30,000 60,000	@30,000 60,000
	SAWMILL (40 HP) *	1	1	2	@25,000 25,000	@25,000 25,000	@25,000 50,000
	SAWMILL (15 HP) *	--	1	2	--	@9000 9,000	@9000 18,000
	CITRUS PLANT (1000 HP) *	1	1	1	1,000,000	1,000,000	1,000,000
	SUB-TOTAL				13,926,400	19,157,920	30,341,540
	PLUS DIST. LOSSES (APPROX.)				@19% 3,266,600	@18% 4,205,080	@17% 6,214,460
	TOTAL	5,614	6,508	8,039	17,193,000	23,363,000	36,556,000

* ANTICIPATED LARGE POWER LOADS.

PROGRAM ANALYST, OFFICE OF THE
ADMINISTRATOR, REA - JUNE 1952

TABLE III

ESTIMATE OF LOADS - FLORIDA 23 LEVY

FLORIDA 41 ALACHUA GT	TYPE OF CONSUMER	NUMBER OF CONSUMERS			ANNUAL KWH REQUIREMENTS		
		1954	1957	1962	1954	1957	1962
FARM		1,295	1,582	1,954	@1620	@2040	@2820
					2,097,900	3,227,280	5,510,280
NONFARM (RES.)		1,038	1,251	1,501	@1560	@1980	@2520
					1,619,280	2,476,980	3,782,520
SMALL COMMERCIAL		228	276	318	@4500	@5160	@6240
					1,026,000	1,424,160	1,984,320
PUBLIC BUILDINGS		41	46	66	@900	@1140	@1500
					36,900	52,440	99,000
STREET LIGHTING		2	2	2	@8000	@8000	@8000
					16,000	16,000	16,000
CEDAR KEY PUMP (25 HP)		1	1	1		16,000	20,000
ICE & STORAGE PUMP (40 HP)		1	1	1		140,000	150,000
FIBER FACTORY (25 HP) *		--	1	1	--	25,000	30,000
ICE PLANT (40 HP) *		--	1	1	--	70,000	80,000
SAWMILL (100 HP) *		--	1	1	--	60,000	70,000
					@4000	@4000	@4000
IRRIGATION **		5	7	11	20,000	28,000	44,000
IRRIGATION *		1	2	3	@4000	@4000	@4000
					4,000	8,000	12,000
SUB-TOTAL		2,612	3,171	3,860	4,954,080	7,543,860	11,798,120

* ANTICIPATED LARGE POWER LOADS.

** APPLICATION FOR SERVICE ON HAND.

(CONT'D. ON NEXT PAGE)

PROGRAM ANALYST, OFFICE OF THE
ADMINISTRATOR, REA - JUNE 1952

TABLE III (CONT'D.)

ESTIMATE OF LOADS - FLORIDA 23 LEVY

FLORIDA 41 ALACHUA GT	NUMBER OF CONSUMERS			ANNUAL KWH REQUIREMENTS		
	1954	1957	1962	1954	1957	1962
TYPE OF CONSUMER						
BROUGHT FORWARD	2,612	3,171	3,860	4,954,080	7,543,860	11,798,120
SAWMILL (30 HP) **	1	1	1	20,000	20,000	30,000
				@20,000	@20,000	@20,000
SEED DRIERS (40 HP)	4	5	6	80,000	100,000	120,000
SUB-TOTAL				5,054,080	7,663,860	11,948,120
				@19%	@18%	@17%
PLUS DIST. LOSSES (APPROX.)				1,185,920	1,682,140	2,446,880
TOTAL	2,617	3,177	3,867	6,240,000	9,346,000	14,395,000

** APPLICATION FOR SERVICE ON HAND.

PROGRAM ANALYST, OFFICE OF THE
ADMINISTRATOR, REA - JUNE 1952

TABLE IV

ESTIMATE OF LOADS - FLORIDA 28 MADISON

FLORIDA 41 ALACHUA GT	TYPE OF CONSUMER	NUMBER OF CONSUMERS			ANNUAL KWH REQUIREMENTS		
		1954	1957	1962	1954	1957	1962
	FARM	2,383	2,661	3,248	@1620 3,860,460	@2160 5,747,760	@3000 9,744,000
	NONFARM (RES.)	409	603	839	@1740 711,660	@2040 1,230,120	@2880 2,416,320
	SMALL COMMERCIAL	192	192	199	@5160 990,720	@5820 1,117,440	@6180 1,229,820
	PUBLIC BUILDINGS	134	137	142	@1020 136,680	@1260 172,620	@1500 213,000
	GREENVILLE VENEER (80 HP)	1	1	1	155,000	175,000	185,000
	GREENVILLE PLYWOOD (60 HP)	1	1	1	55,000	80,000	170,000
	SOUTHERN PLYWOOD (200 HP)	1	1	1	500,000	500,000	500,000
	SUWANNEE PLYWOOD (150 HP)	1	1	1	400,000	400,000	400,000
	CRUCE SAWMILL (300 HP)	1	1	1	300,000	400,000	400,000
	CRUCE SAWMILL (30 KVA)	1	1	1	15,000	15,000	15,000
	LIONS CLUB BALL PARK (100 KVA)	1	1	1	15,000	15,000	15,000
	GREENVILLE PUMP (15 KVA)	1	1	1	15,000	17,000	21,000
	SUB-TOTAL	3,126	3,601	4,436	7,154,520	9,869,940	15,309,140

(CONT'D. ON NEXT PAGE)

PROGRAM ANALYST, OFFICE OF THE
ADMINISTRATOR, REA - JUNE 1952

TABLE IV (CONT'D.)

ESTIMATE OF LOADS - FLORIDA 28 MADISON

FLORIDA 41 ALACHUA GT	TYPE OF CONSUMER	NUMBER OF CONSUMERS			ANNUAL KWH REQUIREMENTS		
		1954	1957	1962	1954	1957	1962
	BROUGHT FORWARD	2,126	2,601	4,436	7,154,520	9,869,940	15,309,140
	DIVIE PLANTATION (75 KVA)	1	1	1	24,000	24,000	24,000
	JOHN KELLEY PLANT (15 KVA)	1	1	1	50,000	60,000	65,000
	CHERRY LAKE PUMP (15 HP)	1	1	1	10,000	12,000	15,000
	HATCHERY (25 KVA) *	1	1	1	50,000	50,000	50,000
	SAWMILL (75 HP) *	--	2	2	--	45,000 90,000	45,000 90,000
	PLANING MILL (50 HP)	1	1	1	200,000	200,000	200,000
	OYSTER HOUSE (25 KVA)	1	2	2	20,000 20,000	20,000 40,000	20,000 40,000
	IRRIGATION (10 HP)	10	24	48	100,000	240,000	480,000
	SUB-TOTAL				7,608,520	10,585,940	16,273,140
	PLUS DIST. LOSSES (APPROX.)				19% 1,784,480	18% 2,324,060	17% 3,332,860
	TOTAL	3,142	3,634	4,493	9,393,000	12,910,000	19,606,000

* ANTICIPATED LARGE POWER LOADS.

PROGRAM ANALYST, OFFICE OF THE
ADMINISTRATOR, REA - JUNE 1952

TABLE V

ESTIMATE OF LOADS - FLORIDA 33 PASCO

FLORIDA 41 ALACHUA GT

TYPE OF CONSUMER	NUMBER OF CONSUMERS			ANNUAL KWH REQUIREMENTS		
	1954	1957	1962	1954	1957	1962
FARM	1,970	2,655	3,120	@1920 3,782,400	@2640 7,009,200	@3840 11,980,800
NONFARM (RES.)	639	1,877	2,373	@1740 1,111,860	@2340 4,392,180	@3480 8,258,040
SMALL COMMERCIAL	105	168	225	@4320 453,600	@4980 836,640	@5940 1,336,500
PUBLIC BUILDINGS	44	43	54	@660 29,040	@900 38,700	@1260 68,040
ICE PLANT (15 & 25 HP)	2	2	2	@45,000 90,000	@45,000 90,000	@45,000 90,000
WATER PUMP	---	1	1	---	1,000,000	1,000,000
DADE CITY STAND BY	---	1	1	---	3,000,000	4,000,000
ROCK PRODUCTS CO.	2	2	2	@550,000 1,010,000	@550,000 1,010,000	@550,000 1,010,000
SPRING CORP.	1	1	1	40,000	40,000	40,000
DOLOMITE PLANT	1	2	2	@1,000,000 1,000,000	@1,000,000 2,000,000	@1,000,000 2,000,000
IRRIGATION	18	33	48	@9333 168,000	@11,455 378,000	@10,790 518,000
SUB-TOTAL				7,684,900	19,794,720	30,301,380
PLUS DIST. LOSSES (APPROX.)				@2 1/2% 2,042,100	@19% 4,643,280	@18% 6,651,620
TOTAL	2,782	4,785	5,829	9,728,000	24,438,000	36,953,000

PROGRAM ANALYST, OFFICE OF THE
ADMINISTRATOR, REA - JUNE 1952

TABLE VI

ESTIMATE OF LOADS - SUMMARY OF POWER REQUIREMENTS

SYSTEM AREAS	NUMBER OF CONSUMERS			ANNUAL KWH REQUIREMENTS		
	1954	1957	1962	1954	1957	1962
FLORIDA 41 ALACHUA GT						
FLORIDA 15 LAFAYETTE	3,543	3,897	4,589	10,448,000	14,414,000	21,699,000
FLORIDA 16 SUMTER	5,614	6,508	8,039	17,193,000	23,363,000	36,556,000
FLORIDA 23 LEVY	2,617	3,177	3,867	6,240,000	9,346,000	14,395,000
FLORIDA 28 MADISON	3,142	3,634	4,493	9,393,000	12,910,000	19,606,000
FLORIDA 33 PASCO	2,782	4,785	5,829	9,728,000	24,438,000	36,953,000
TOTAL	17,698	22,001	26,817	53,002,000	84,471,000	129,209,000

PROGRAM ANALYST, OFFICE OF THE
ADMINISTRATOR, REA - JUNE 1952

CONSTITUTIONAL ACT - THE 1850 AND THE REFORMS OF 1850

DATE	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	1860
1850	1850	1850	1850	1850	1850	1850	1850	1850	1850	1850	1850
1851	1851	1851	1851	1851	1851	1851	1851	1851	1851	1851	1851
1852	1852	1852	1852	1852	1852	1852	1852	1852	1852	1852	1852
1853	1853	1853	1853	1853	1853	1853	1853	1853	1853	1853	1853
1854	1854	1854	1854	1854	1854	1854	1854	1854	1854	1854	1854
1855	1855	1855	1855	1855	1855	1855	1855	1855	1855	1855	1855
1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
1857	1857	1857	1857	1857	1857	1857	1857	1857	1857	1857	1857
1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858	1858
1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859	1859
1860	1860	1860	1860	1860	1860	1860	1860	1860	1860	1860	1860

THE 1850 CONSTITUTIONAL ACT - THE 1850
AND THE REFORMS OF 1850